Publication No. 981791
6/92

MODIFICATION INSTRUCTIONS

Kodak X-Omat Multiloader 300

Service Code: 3058

Modification No. 11

and for the

Kodak X-Omat 270 RA Processor

Service Code: 3059

Modification No. 8

Type 1: Required

Purpose:

To eliminate possible failure of connector J502 by installing a relay in the dryer circuit.

To protect the processor if a failure causes the dryer to overheat by installing a dryer overtemperature thermostat.

IMPORTANT

Use qualified personnel to install this modification.

Service Effects:	None.
Special Requirements:	None.
Serial Numbers:	MULTILOADER 300: 101 - 415 with exceptions. See page 2 for the exceptions. 270 RA PROCESSOR: 101 - 404
Installation Time:	Approximately 1½ hours.
Special Tools:	3/8-inch Electric Drill, TL-1466 3/16-inch Drill Bit, TL-9212 Needle Nose Pliers.
Parts Status:	Available through Service Parts Management in June 1992.
Parts Requirements:	See Parts List.

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CAUTION

This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

Parts List: Modification Kit, 981876, Includes:

Part No.	Description	Quantity
981791	Modification Instructions	1
981888	Packing List	1
748023	Over-Temperature Thermistor Plate	1
748024	Over-Temperature Plate	1
981875	Relay K1 Plate	1
748125	Relay K1	1
955741	Over-Temperature Thermostat	1
981890	Wire/Ident Assembly	1
165627	Washer	2
187213	Lock Washer	2
523016	Nut	2
191097	Screw	2
575822	Washer	2
191098	Lock Washer	2
480820	Screw	1
852959	Screw	1
852799	Washer	2
853086	Lock Washer	1
853621	Nut	1
182950	Wire Tie	10
918381	Electrical Box Label	1
981891	Extraction Tool 1580 TL	1
869623	Modification Sticker	1

Any *Kodak X-Omat* Multiloader 300 having a serial number listed below has already been modified, and does not need this kit installed:

141	235	284	295	318	391	398
158	237	285	296	362	392	399
188	244	287	297	364	393	400
192	245	289	299	366	394	401
202	250	290	303	370	395	402
224	255	293	304	387	396	403
229	266	294	308	389	397	404

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PART A - Electrical Box Modifications

SECTION 1
Checking the Label on Terminal Block TB5

There is a possibility that the IDENTIFICATION TAG for TERMINAL BLOCK TB5 in the ELECTRICAL BOX was incorrectly installed at the factory. Before installing this modification kit, verify that the IDENTIFICATION TAG on TERMINAL BLOCK TB5 was correctly installed at the factory.

Deenergizing the Multiloader 300

[1] Move the main wall circuit breaker to the "OFF" position.

[2] Deenergize the multiloader by moving the MAIN CIRCUIT BREAKER, CB2, to the "O" position.

[3] Pull the processor out.

[4] Remove the EXIT PANEL by removing the 4 SCREWS securing it.

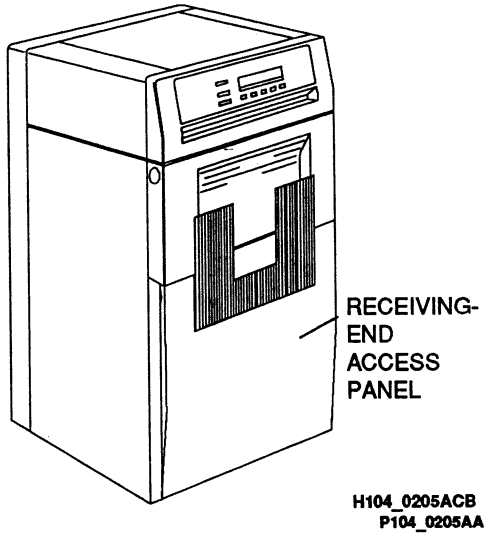


Figure 1 Deenergizing the Multiloader 300

Deenergizing the 270 RA Processor

[1] Move the main wall circuit breaker to the "OFF" position.

[2] Deenergize the processor by moving the MAIN CIRCUIT BREAKER, CB1, to the "O" position.

[3] Lift the TOP COVER.

[4] Remove the EXIT PANEL.

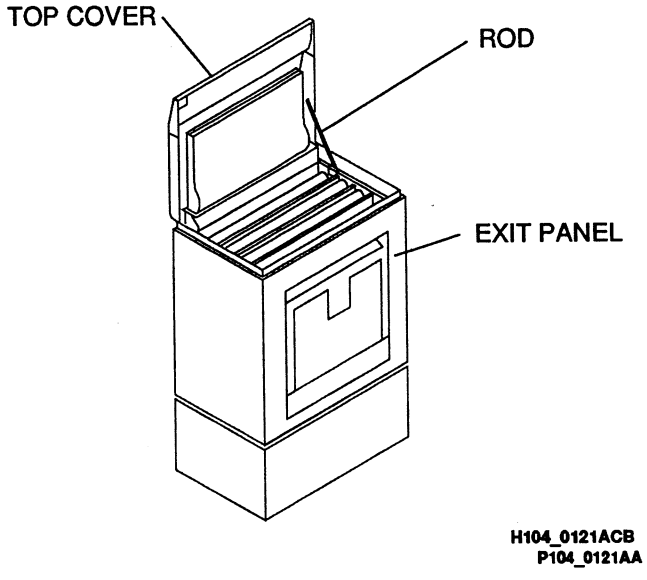


Figure 2 Deenergizing the 270 RA Processor

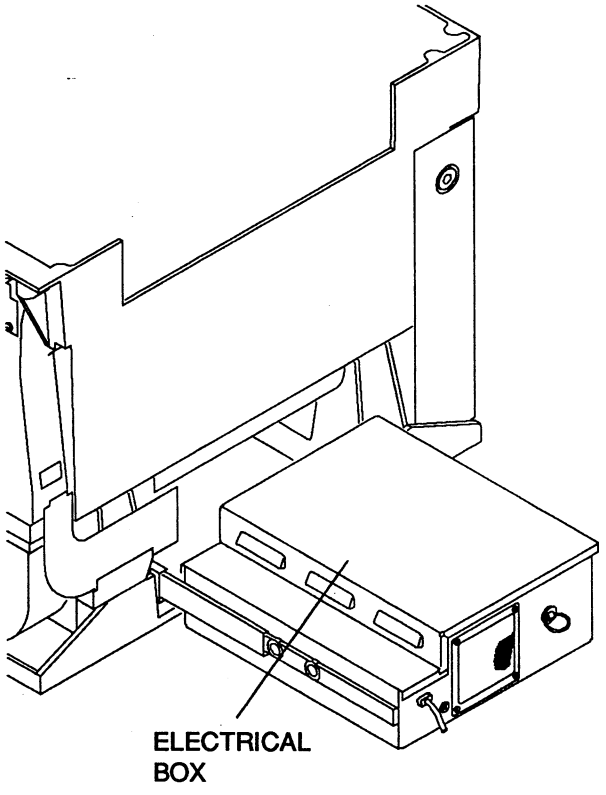
Accessing the Electrical Box

CAUTION

Possible damage from electrostatic discharge. Use a grounding strap.

[1] Pull the ELECTRICAL BOX out of the processor.

[2] Open the COVER of the ELECTRICAL BOX.



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H104_0311CA

Figure 3 Accessing the Electrical Box

Reversing the Identification Tag on Terminal Block TB5

[1] Check whether the IDENTIFICATION TAG is properly installed on TERMINAL BLOCK TB5.

(a) See the figure for the proper position of the IDENTIFICATION TAG on TERMINAL BLOCK TB5.

(b) Position number 1 should be closest to the QUAD POWER SUPPLY.

[2] If the IDENTIFICATION TAG is installed properly, go to section "Checking the Label on Terminal Block TB4" on page 8.
If the IDENTIFICATION TAG is **not** installed properly, then follow the steps below.

[3] Remove the 2 NUTS securing TERMINAL BLOCK TB5 to the ELECTRICAL BOX.

[4] Lift TERMINAL BLOCK TB5 and the IDENTIFICATION TAG off the MOUNTING SCREWS.

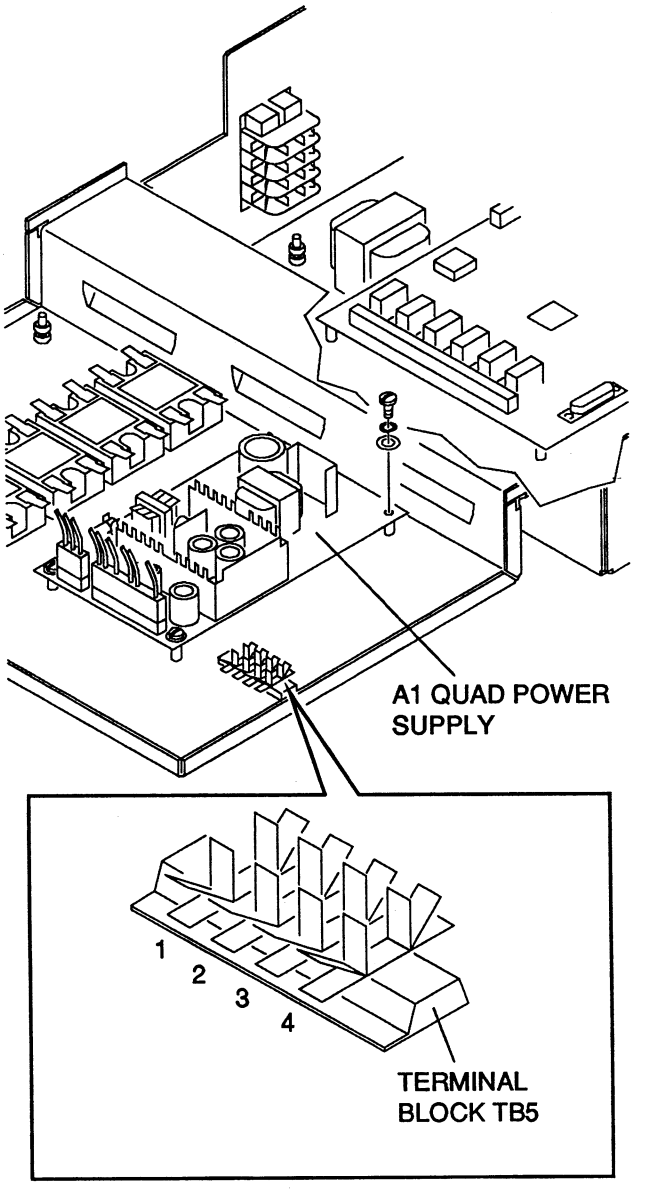
[5] Rotate the IDENTIFICATION TAG 180° so that the POSITION 1 is closest to the QUAD POWER SUPPLY.

NOTE

Do **not** change the orientation of TERMINAL BLOCK TB5.

[6] Place TERMINAL BLOCK TB5 and the IDENTIFICATION TAG onto the MOUNTING SCREWS.

[7] Using the 2 NUTS removed in Step 3, install the IDENTIFICATION TAG onto the ELECTRICAL BOX.



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P104_0308CA

Figure 4 Checking the Position of the Identification Label

SECTION 2
Checking the Label on Terminal Block TB4

[1] Check whether the IDENTIFICATION TAG is properly installed on TERMINAL BLOCK TB4.

(a) See the figure for the proper position of the IDENTIFICATION TAG on TERMINAL BLOCK TB4.

(b) POSITION 1 should be facing the top of the ELECTRICAL BOX.

[2] If the IDENTIFICATION TAG is installed properly, go to section "Installing the New Relay K1 Into the Dryer Circuit" on page 9. If the IDENTIFICATION TAG is **not** installed properly, then follow the steps below.

[3] Remove the 2 SCREWS securing TERMINAL BLOCK TB4 to the ELECTRICAL BOX.

[4] Rotate the IDENTIFICATION TAG 180° so that the POSITION 1 is facing the top of the ELECTRICAL BOX.

[5] Using the 2 SCREWS removed in Step 3, install the IDENTIFICATION TAG and TERMINAL BLOCK TB4 onto the ELECTRICAL BOX.

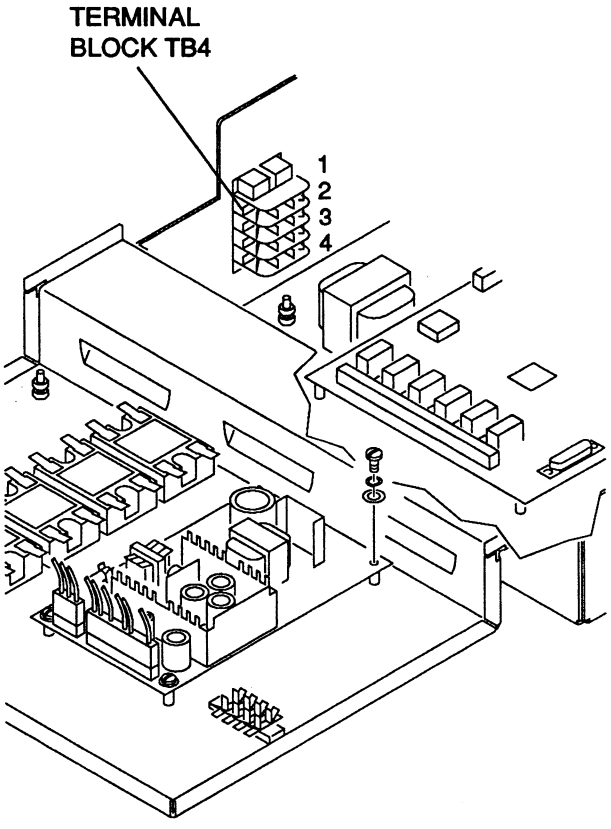

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Figure 5 Checking the Position of the Identification Label

SECTION 3
Installing the New Relay K1 Into the Dryer Circuit

Installing the Relay K1

[1] Remove the TRANSFORMER COVER. See Figure 6.

[2] Install the new RELAY K1 onto the new RELAY BRACKET using the WASHER, LOCK WASHER, and NUT provided with the kit.

NOTE

Orient the new RELAY K1 as illustrated.

[3] Install the DIODE ASSEMBLY, provided with the kit, onto the new RELAY K1.

(a) Connect the CATHODE (banded) end of the DIODE to POSITION 6 on the RELAY K1.

(b) Connect the ANODE end of the DIODE to POSITION 5 on the RELAY K1. See Figure 7.

[4] Fully loosen the 2 NUTS that secure the TRANSFORMER in the ELECTRICAL BOX.

[5] Slide the new RELAY BRACKET, provided with the kit, under the base of the TRANSFORMER.

[6] Fully tighten the 2 NUTS that secure the TRANSFORMER in the ELECTRICAL BOX.

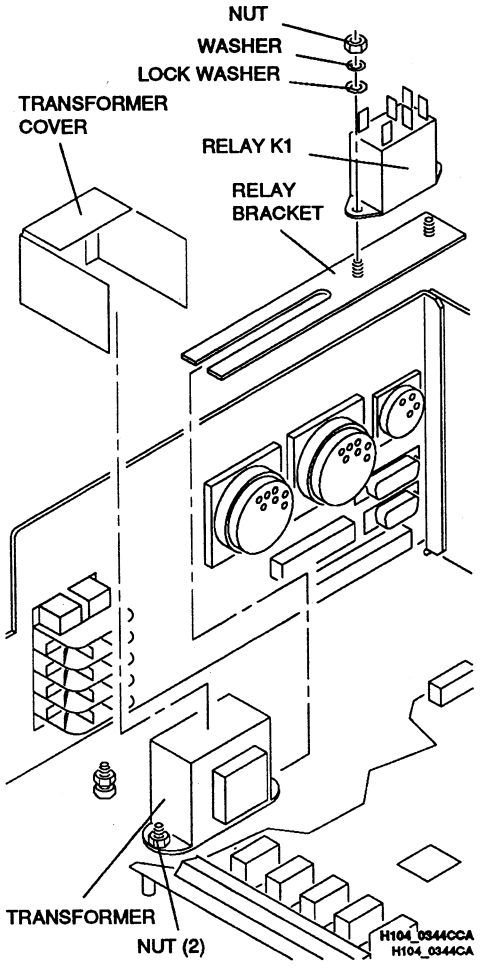


Figure 6 Installing the Relay

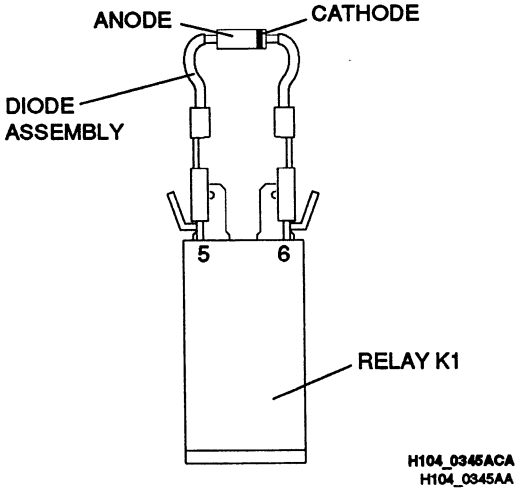


Figure 7 Installing the Diode onto the Relay

Connecting the Relay into the Dryer Circuit

[1] Disconnect the J2 CONNECTOR on the back of the ELECTRICAL BOX.

[2] Remove the 2 SCREWS securing the P2 CONNECTOR to the ELECTRICAL BOX.

[3] Remove the P2 CONNECTOR.

[4] Using SPECIAL TOOL TL-1580, provided with the kit, remove WIRE #39 from POSITION 19 on the P2 CONNECTOR.

NOTE

Remove WIRE TIES as necessary to remove WIRE #39 from POSITION 19 on the P2 CONNECTOR.

[5] Locate the new WIRE #39 provided with the kit.

[6] Insert the PIN on WIRE #39 into POSITION 19 on the P2 CONNECTOR.

[7] Connect the other end of the WIRE #39 to POSITION 1 on the new RELAY K1.

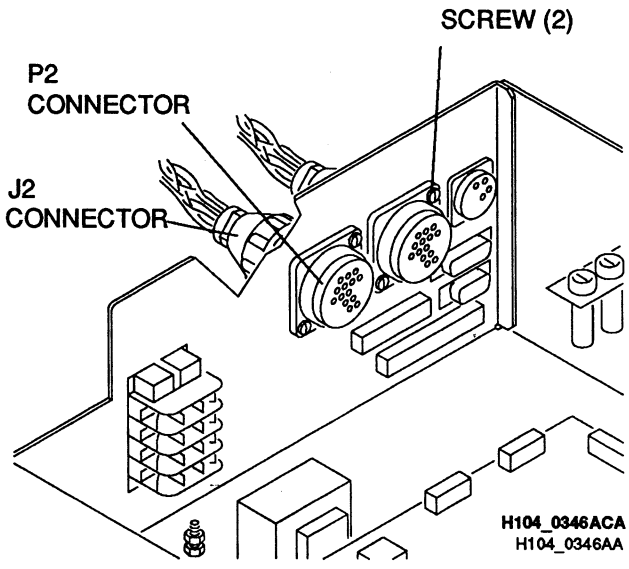


Figure 8 Removing the P2 Connector

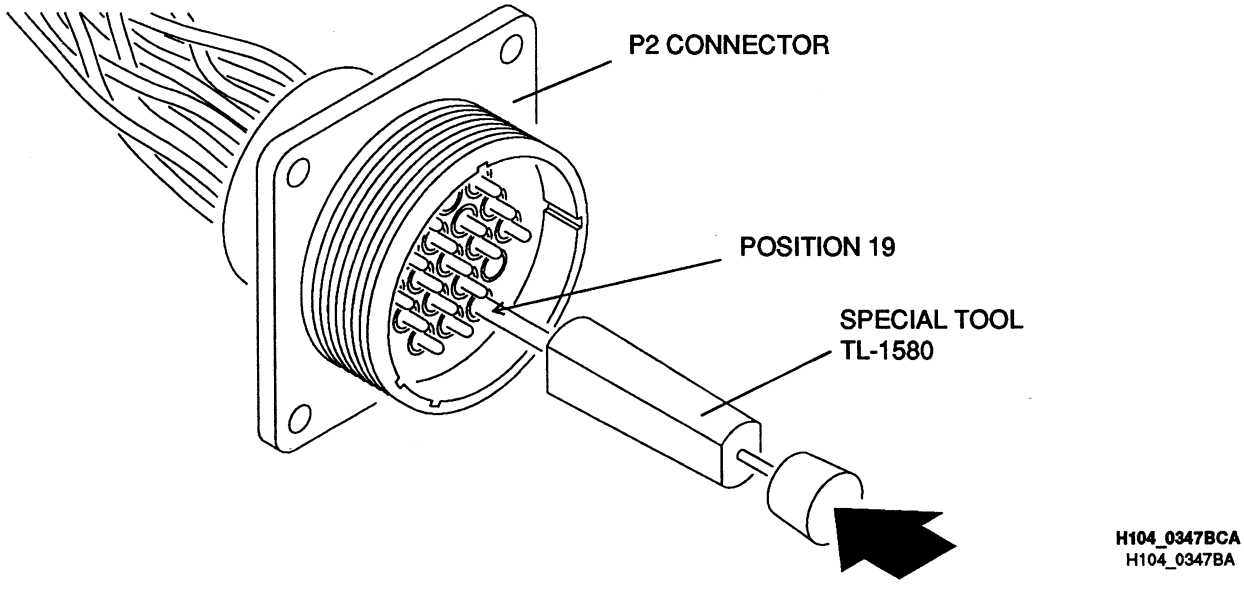


Figure 9 Removing Wire #39 from Position 19 on the P2 Connector

[8] Remove the J502 CONNECTOR from the P502 CONNECTOR on the 500 CIRCUIT BOARD.

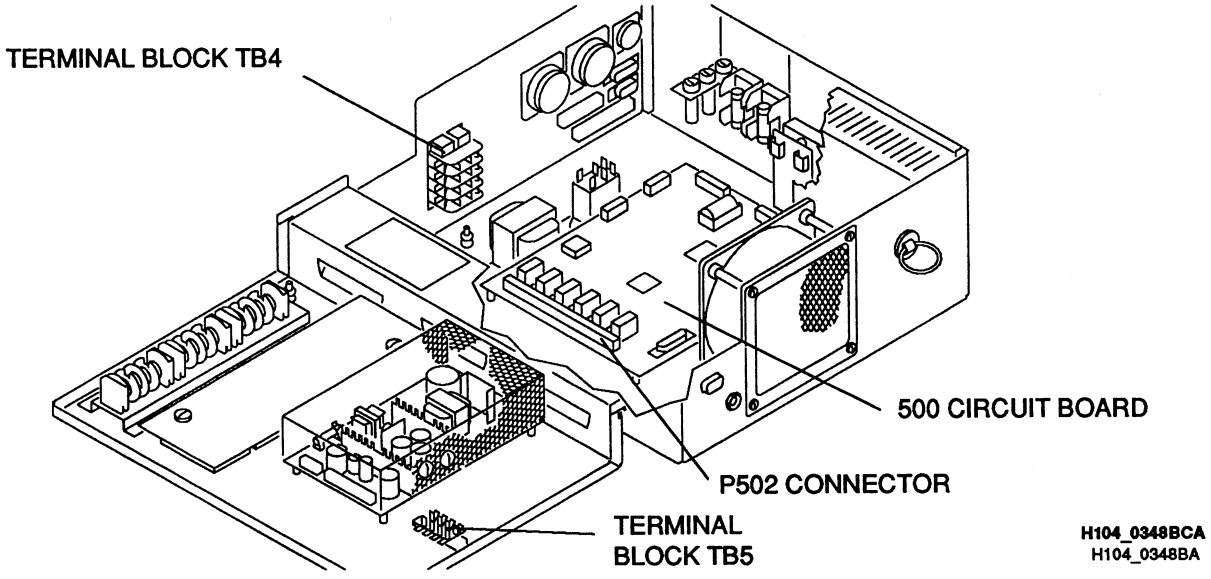


Figure 10 Removing the J502 Connector

[9] Disconnect WIRES #39 and #36 in POSITIONS 2 and 3 on the J502 CONNECTOR.

CAUTION

Be careful not to cut any INSULATION when cutting WIRE TIES.

[10] Cut the fewest number of WIRE TIES possible that will allow you to remove WIRES #39 and #36 from the WIRE HARNESS.

IMPORTANT

Before continuing, verify that the IDENTIFICATION LABELS are positioned properly on TERMINAL BLOCK TB4 and TERMINAL BLOCK TB5. See the procedures on pages 7 and 8.

[11] Disconnect the other end of WIRE #36 from POSITION 3 on TERMINAL BLOCK TB4. See the Figure 10 for the location of TERMINAL BLOCK TB4.

[12] Remove and discard the disconnected WIRES #39 and #36 from the ELECTRICAL BOX.

[13] Locate the new WIRE #36 provided with the kit.

[14] Insert the larger, non-insulated connector-end of the new WIRE #36 into any of the empty terminals in POSITION 3 on TERMINAL BLOCK TB4.

[15] Connect the smaller, insulated connector-end of the new WIRE #36 to POSITION 3 on the new RELAY K1.

[16] Locate the new WIRE #53 provided with the kit.

[17] Connect the new WIRE #53 to POSITION 1 on TERMINAL BLOCK TB5. See Figure 10 for the location of TERMINAL BLOCK TB5.

[18] Connect the other end of the new WIRE #53 to POSITION 2 on the J502 CONNECTOR.

[19] Locate the WIRE SLEEVE, provided with the kit, containing WIRE #50 and WIRE #83.

[20] Identify the end of the new WIRE #50 that is approximately 18 inches out of the SLEEVING.

[21] Connect that end of new WIRE #50 to POSITION 4 on TERMINAL BLOCK TB5.

[22] Connect the other end of the new WIRE #50 to the PIGGYBACK CONNECTOR on POSITION 5 on RELAY K1.

[23] Connect the new WIRE #83 to POSITION 3 on the J502 CONNECTOR.

[24] Connect the other end of the new WIRE #83 to the PIGGYBACK CONNECTOR on POSITION 6 on RELAY K1.

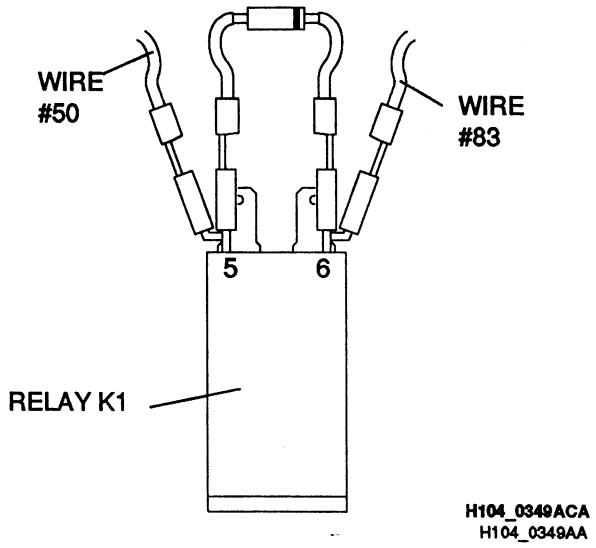


Figure 11 Piggyback Connector

Securing the Newly Installed Wires

IMPORTANT

To maintain compliance with all safety regulations, do not allow the AC WIRES #39 and #36 to touch the DC WIRES #83 and #50 near RELAY K1.

[1] Position all newly installed wires along existing WIRE HARNESSES.

[2] Position the SLEEVE containing WIRES #50 and #83 along the bottom of the ELECTRICAL BOX.

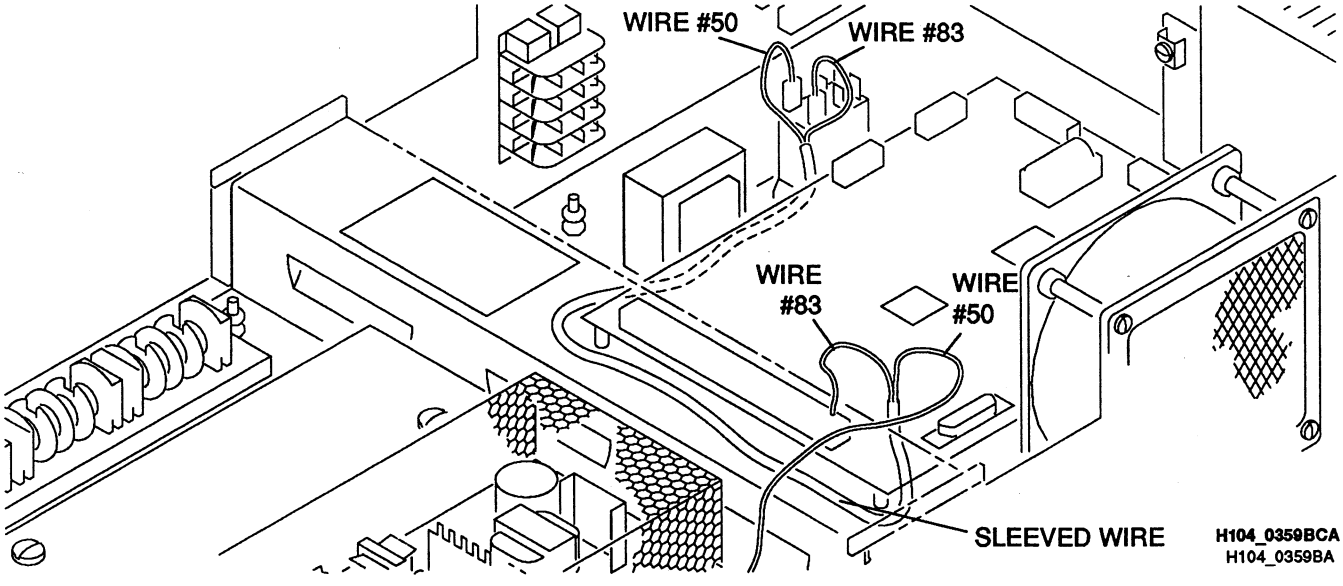


Figure 12 Sleeved Wire on Bottom of Electrical Box

[3] Using WIRE TIES, secure all newly installed WIRES to the existing WIRE HARNESSES.

[4] Install the J502 CONNECTOR onto the 500 CIRCUIT BOARD.

Labeling the Newly Installed Wires

[1] Install the WIRE TIE labeled P2, provided with the kit, onto the WIRE HARNESS leading to the P2 CONNECTOR.

[2] Install the WIRE TIE labeled J502, provided with the kit, onto the WIRE HARNESS leading to the J502 CONNECTOR.

SECTION 4
Installing a Wire Tie Mount

NOTE

Some ELECTRICAL BOXES have the WIRE TIE MOUNT already installed. If your ELECTRICAL BOX already has a WIRE TIE MOUNT installed, go to the "Installing the New Component Locator Label" procedure on page 15. Installing the WIRE TIE MOUNT will help keep the WIRE BUNDLES secured, and will help prevent the possibility of WIRES being pinched when the cover is closed.

[1] Install a WIRE TIE MOUNT, provided with the kit, to the side of the ELECTRICAL BOX.

[2] Using a WIRE TIE, secure the WIRE BUNDLE to the newly installed WIRE TIE MOUNT.

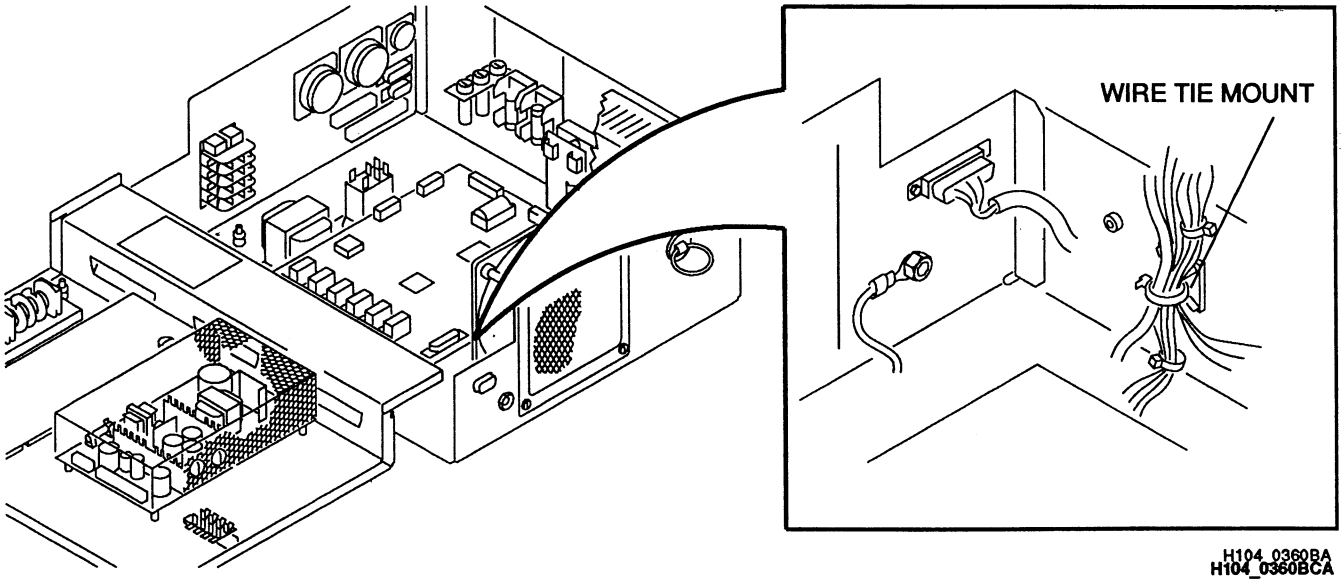


Figure 13 Installing the Wire Tie Mount to the Electrical Box

SECTION 5
Installing the New Component Locator Label

Some of the existing COMPONENT LOCATOR LABELS show the +24 volt and the 24 volt return position on TERMINAL BLOCK TB5 as being interchanged. The new COMPONENT LOCATOR LABEL correctly labels all positions.

[1] Install the new COMPONENT LOCATOR LABEL onto the ELECTRICAL BOX. See the figure for the proper location of the new COMPONENT LOCATOR LABEL.

(a) Remove the backing from the new COMPONENT LOCATOR LABEL.

(b) Place the new COMPONENT LOCATOR LABEL over the existing COMPONENT LOCATOR LABEL in the ELECTRICAL BOX.

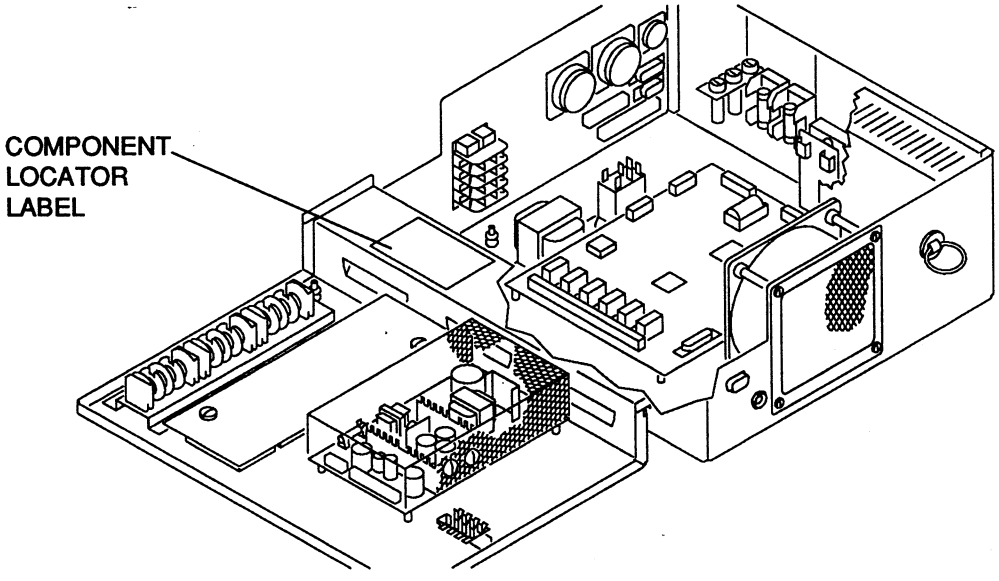


Figure 14 Installing the New Component Locator Label

SECTION 6
Finishing the Job

[1] Install the P2 CONNECTOR to the ELECTRICAL BOX using the 2 SCREWS removed in Step 2 on page 10.

[2] Install the TRANSFORMER BOX COVER.

[3] Close the ELECTRICAL BOX COVER.

[4] Connect the J2 CONNECTOR to the P2 CONNECTOR on the back of the ELECTRICAL BOX. See Figure 8 on page 10, if necessary.

[5] Slide the ELECTRICAL BOX into the processor.

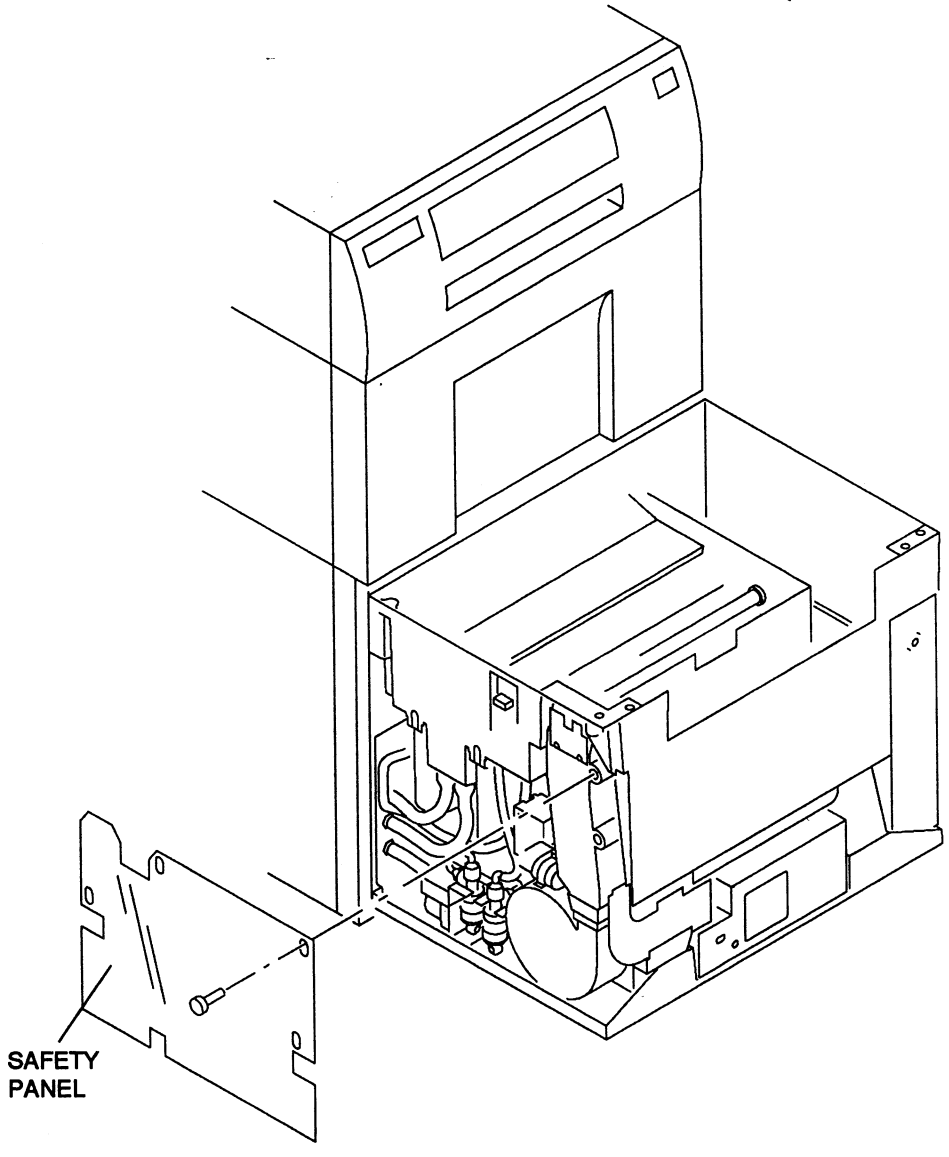
PART B - Dryer and Tank Modifications

SECTION 1
Installing the Dryer Over-Temperature Thermostat

[1] Remove:

- WET SECTION COVER
- TOP EXIT ASSEMBLY (270 RA Only)
- DRYER RACK
- NON-DRIVE SIDE PANEL (270 RA Only).

[2] If installing this Modification on a multiloader, remove the SAFETY PANEL by removing the 5 SCREWS, 5 WASHERS, and 5 LOCK WASHERS.



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H104_0366DA

Figure 15 Removing the Safety Panel

IMPORTANT

There are 2 types of DRYER THERMISTOR BRACKETS. Refer to the illustrations to identify the type your processor has and be sure to follow the appropriate instructions. The instructions for the old type bracket begin on page 20. The instructions for the new type bracket begin on page 22.

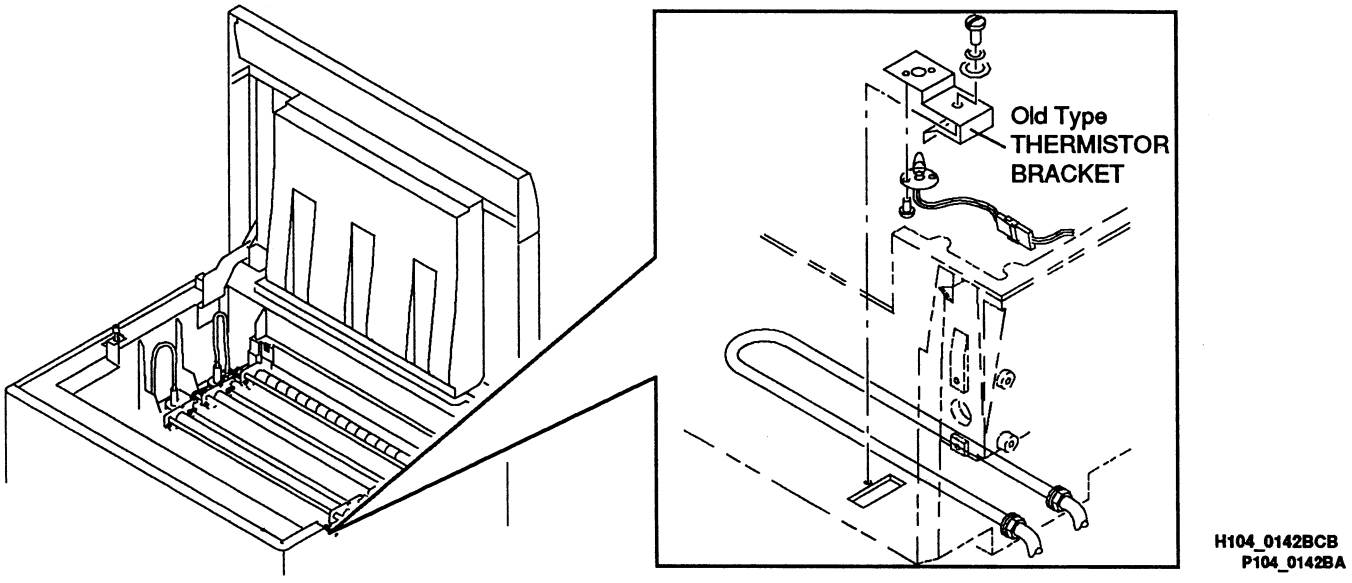


Figure 16 Old Type Dryer Thermistor Bracket

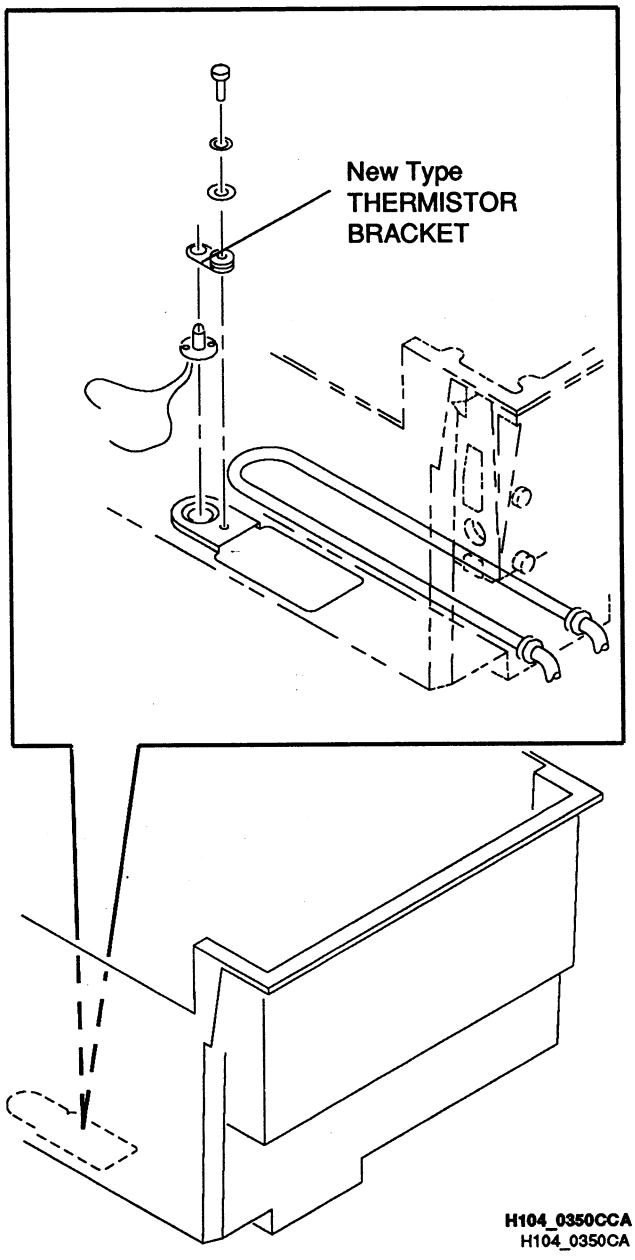


Figure 17 New Type Dryer Thermistor Bracket

Installing the Over-Temperature Thermostat In a Processor With an Old Type Dryer Thermistor Bracket

[1] Locate the remaining 2 WIRES provided with the kit. The 2 WIRES, which are secured together with TIE WRAPS, are WIRES #76 and #86.

[2] Insert the end of the WIRE with the insulated connector through the ACCESS HOLE above the DRYER BLOWER MOTOR on the side of the processor.

NOTE

The insulated connector is the bigger of the 2 connectors.

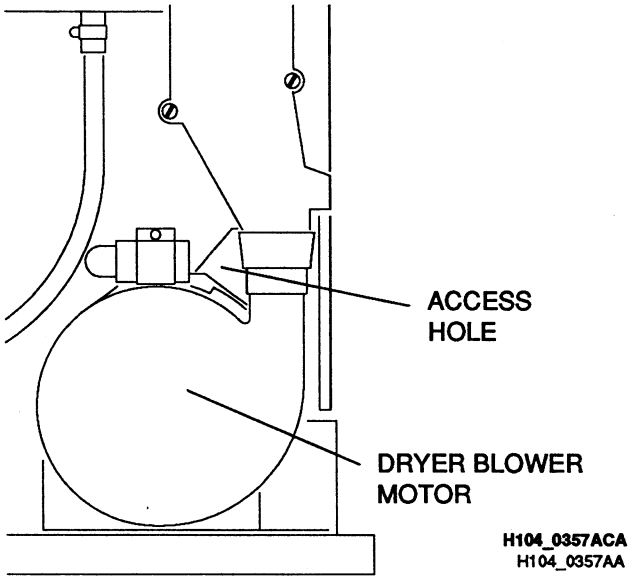


Figure 18 Inserting the Wires through the Access Hole Above the Dryer Blower Motor

[3] Pull the WIRES up through the DRYER AIR DUCT in the bottom of the DRYER TANK.

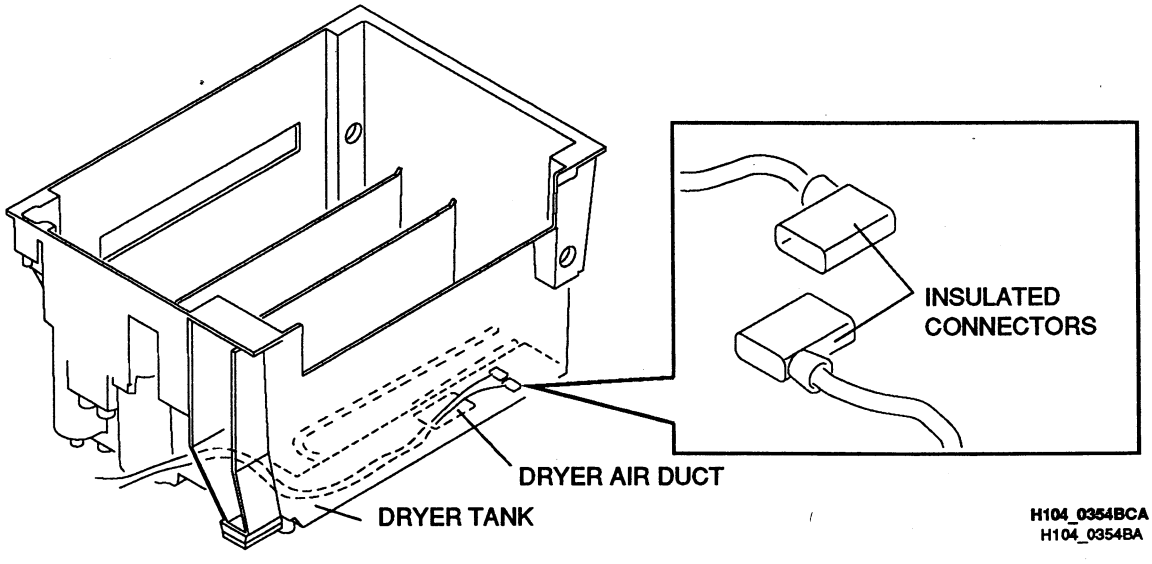


Figure 19 Pulling the Wires Up Through the Dryer Air Duct In the Bottom of the Dryer Tank

[4] Using the 2 SCREWS, 2 WASHERS, and 2 LOCK WASHERS, provided with the kit, install the OVER-TEMPERATURE THERMOSTAT to the appropriate OVER-TEMPERATURE THERMOSTAT BRACKET, provided with the kit.

[5] Connect the WIRES that you pulled through the DRYER AIR DUCT in Step 3 to the DRYER OVER-TEMPERATURE THERMOSTAT.

[6] Remove the SCREW, WASHER, and LOCK WASHER securing the DRYER THERMISTOR BRACKET. See Figure 16 on page 18.

(a) Save the SCREW, WASHER, and LOCK WASHER for reassembly.

(b) Do **not** remove the DRYER THERMISTOR BRACKET.

[7] Place the new OVER-TEMPERATURE THERMOSTAT BRACKET over the existing DRYER THERMISTOR BRACKET.

[8] Insert and tighten the SCREW, WASHER and LOCK WASHER removed in Step 6 through the OVER-TEMPERATURE THERMOSTAT BRACKET into the DRYER THERMISTOR BRACKET.

[9] Continue with section "Connecting Wires to the Dryer Air Flow Switch" on page 26.

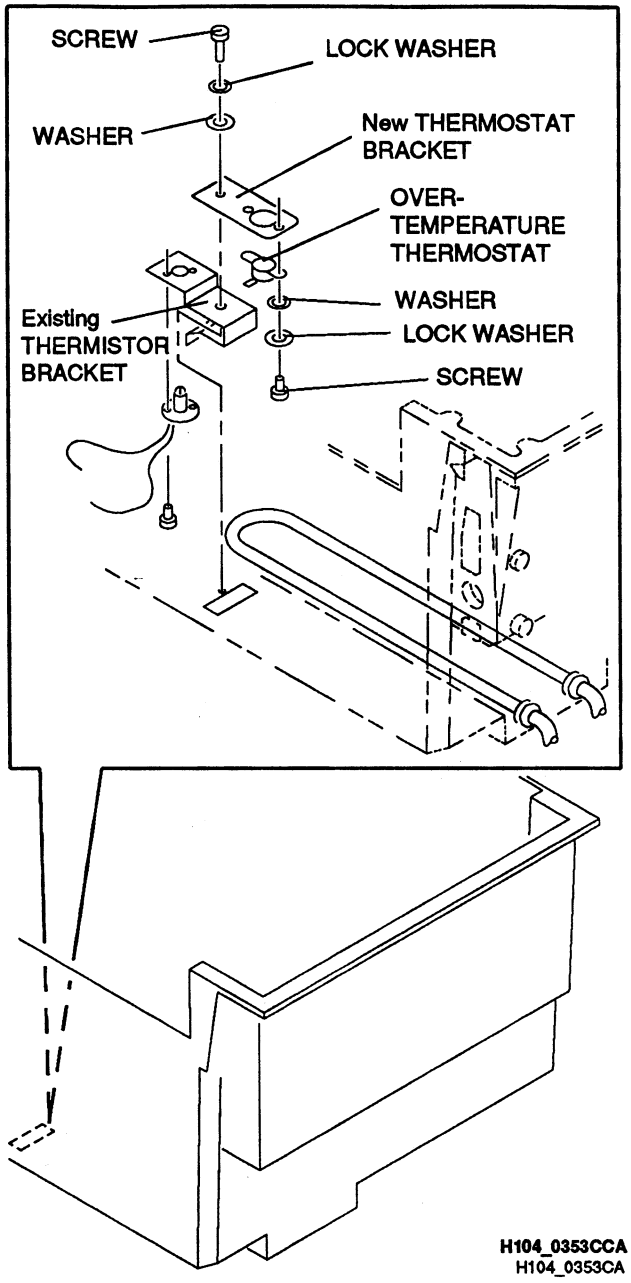


Figure 20 Installing an Old Type Dryer Thermistor Bracket

Installing the Over-Temperature Thermostat in a Processor with a New Type Dryer Thermistor Bracket

[1] Remove the SCREW, WASHER, and LOCK WASHER securing the DRYER THERMISTOR BRACKET.

(a) Save the WASHER and LOCK WASHER for reassembly.

(b) Discard the SCREW.

[2] Remove and discard the DRYER THERMISTOR BRACKET. See Figure 17 on page 19.

NOTE

The INSERT may also come out when you remove the DRYER THERMISTOR BRACKET, the SCREW, WASHER, and LOCK WASHER. When you are ready to install the DRYER THERMISTOR BRACKET, be sure to follow the appropriate instructions.

[3] Locate the remaining 2 WIRES provided with the kit. The 2 WIRES, which are secured together with TIE WRAPS, are WIRES #76 and #86.

[4] Insert the end of the WIRE with the insulated connector through the ACCESS HOLE above the DRYER BLOWER MOTOR.

NOTE

The insulated connector is the bigger of the 2 connectors.

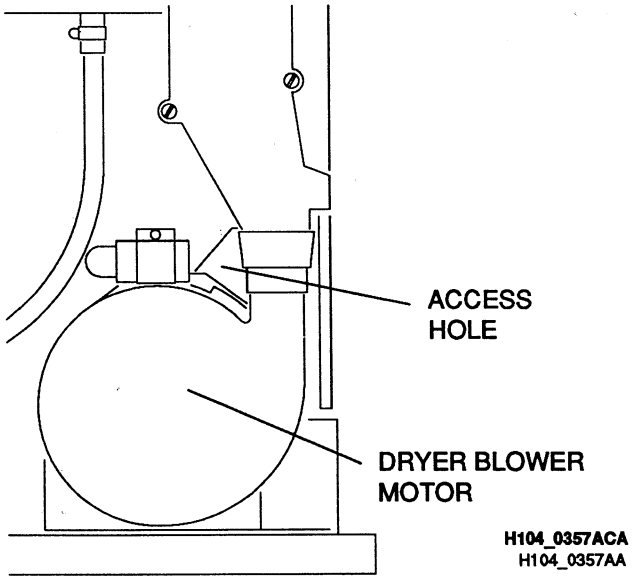


Figure 21 Inserting the Wires through the Access Hole Above the Dryer Blower Motor

[5] Pull the WIRES up through the DRYER AIR DUCT in the bottom of the DRYER TANK.

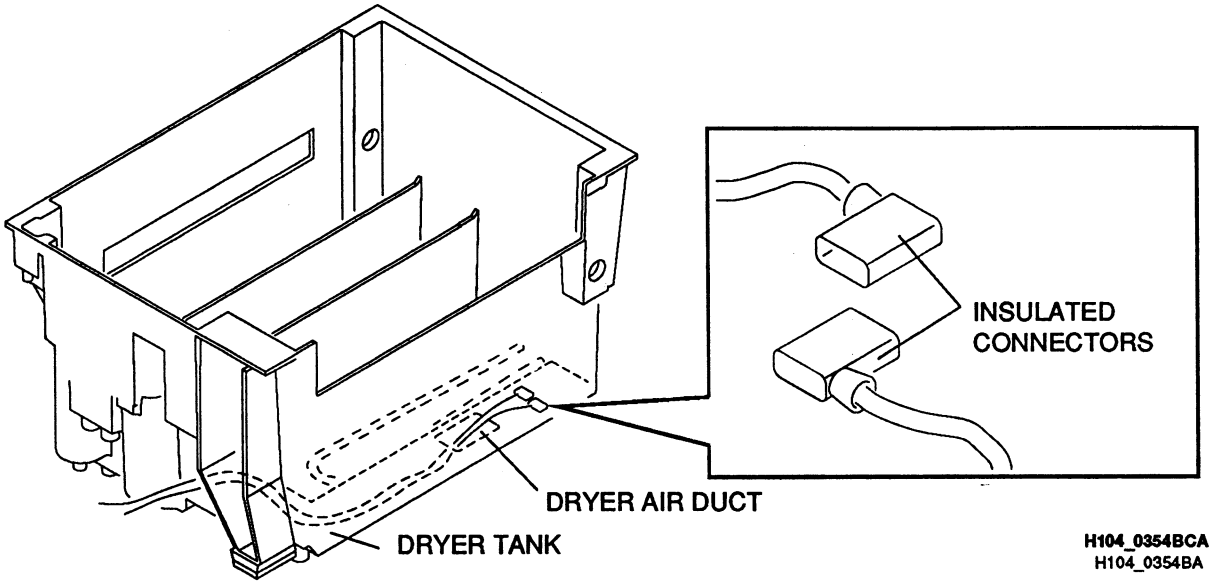


Figure 22 Pulling the Wires Up Through the Dryer Air Duct In the Bottom of the Dryer Tank

[6] Using the 2 SCREWS, 2 WASHERS, and 2 LOCK WASHERS, provided with the kit, install the OVER-TEMPERATURE THERMOSTAT to the THERMISTOR/THERMOSTAT BRACKET, provided with the kit.

[7] Connect the WIRES that you pulled through the DRYER AIR DUCT in Step 5 to the DRYER OVER-TEMPERATURE THERMOSTAT.

[8] Place the new THERMISTOR/THERMOSTAT BRACKET over the DRYER THERMISTOR.

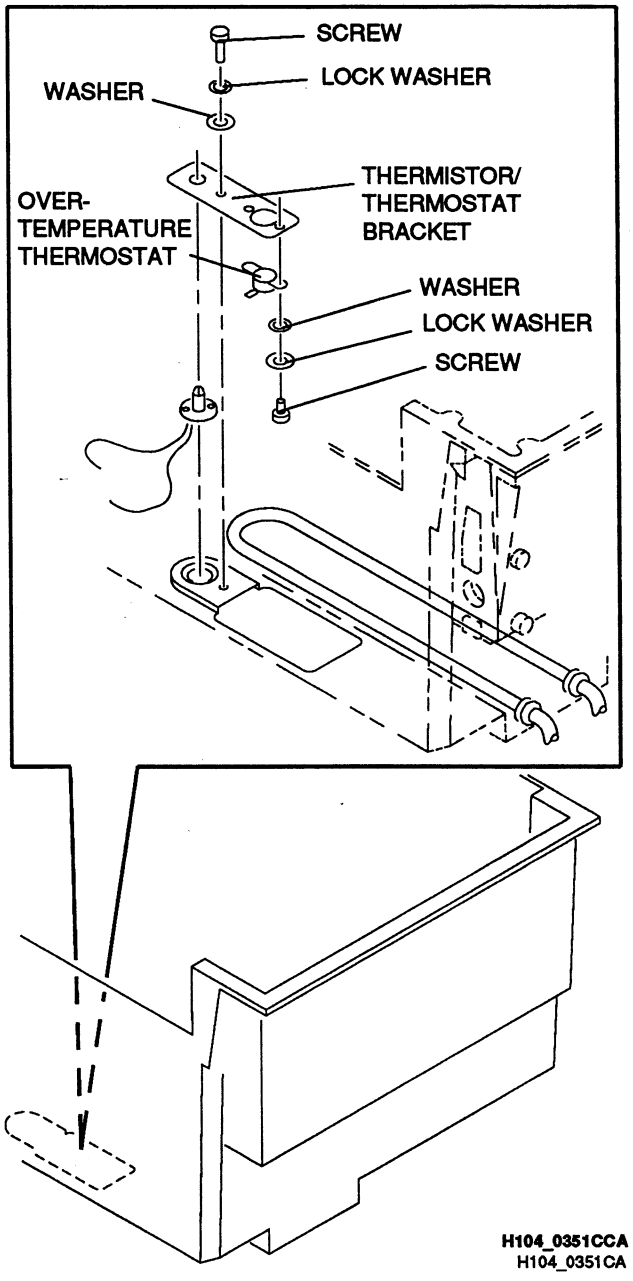


Figure 23 Installing a New Type Dryer Thermistor/Thermostat Bracket

If the INSERT remained in the processor when you removed the DRYER THERMISTOR BRACKET, follow the instructions below:

[1] Insert the new SCREW, provided with the kit, and the WASHER and LOCK WASHER removed in Step 6 on page 21 into the THERMISTOR/THERMOSTAT BRACKET.

[2] Tighten the SCREW **only finger tight.**

[3] Using a SCREWDRIVER, tighten the SCREW 1/4 turn **and no more.**

If the INSERT came out of the processor when you removed the DRYER THERMISTOR BRACKET, follow the instructions below:

[1] Position the THERMISTOR/THERMOSTAT WIRES so that they will **not** be in the way when you drill the hole through the bottom of the TANK.

CAUTION

Use care to **not** drill through the THERMISTOR/THERMOSTAT WIRES.

[2] Using an ELECTRIC DRILL, TL-1466, with a 3/16 in. DRILL BIT, TL-9212, make a hole through the bottom of the TANK where the INSERT was located.

[3] Thoroughly clean the DRYER AIR DUCT to remove all the shavings.

[4] Install the SCREW, provided with the kit, up through the newly created hole.

[5] Install the WASHER, LOCK WASHER, and NUT, provided with the kit, to secure the SCREW installed in the previous step.

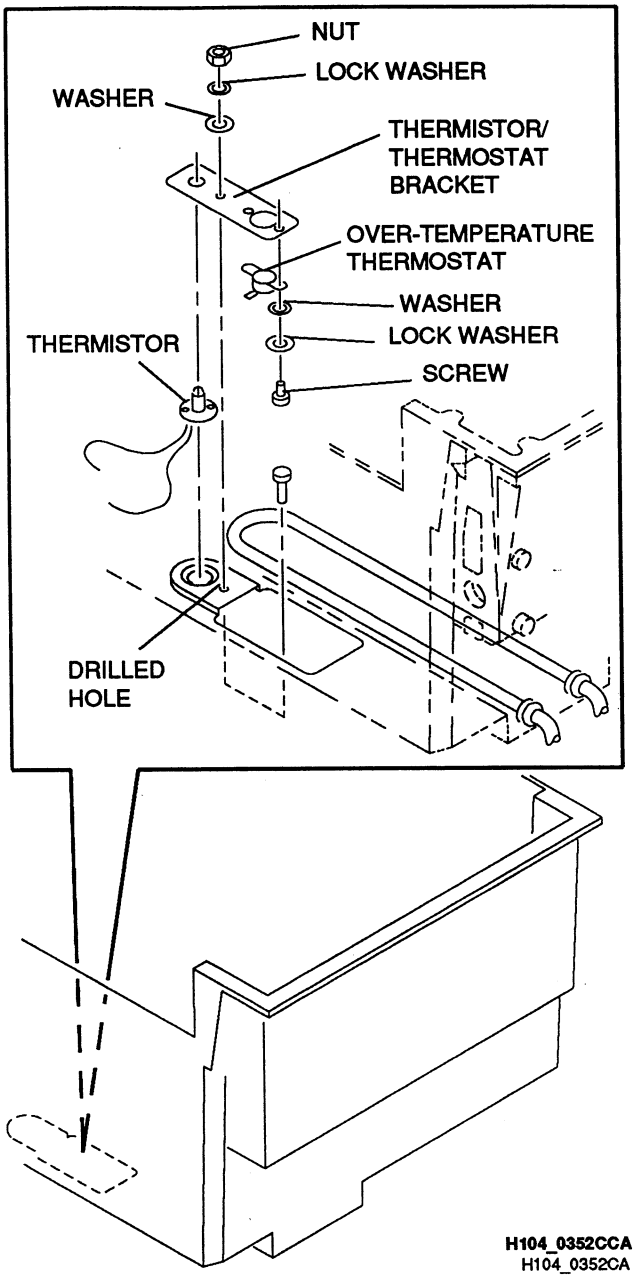


Figure 24 Replacing the Insert with the Hardware Provided

Connecting Wires to the Dryer Air Flow Switch

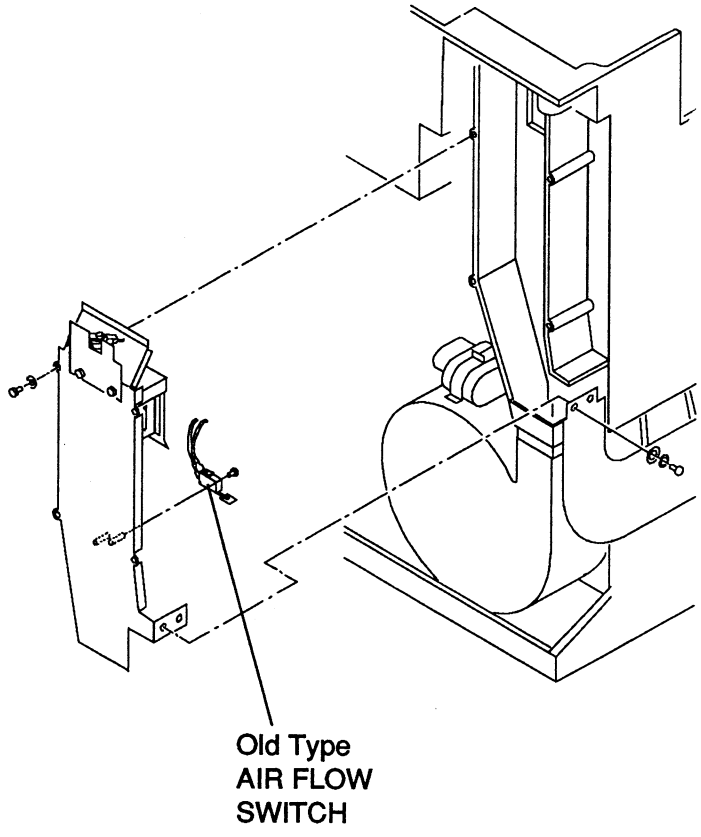
[1] Remove the DRYER PLENUM COVER by removing the 6 SCREWS, 6 WASHERS, and 6 LOCK WASHERS securing it.

NOTE

If removing the DRYER PLENUM COVER from a multiloader, you will need to remove only 4 SCREWS, WASHERS, and LOCK WASHERS.

IMPORTANT

There are 2 types of DRYER AIR FLOW SWITCHES. The **Old Type** AIR FLOW SWITCH has a flat, paddle-like protrusion extending from the SWITCH. The **New Type** AIR FLOW SWITCH has a bent, arm-like protrusion extending from the SWITCH. Refer to the illustrations to identify the type your processor has and be sure to follow the appropriate instructions. The instructions for connecting to the Old Type Air Flow Switch begin on page 28. The instructions for connecting to the New Type Air Flow Switch begin on page 31.



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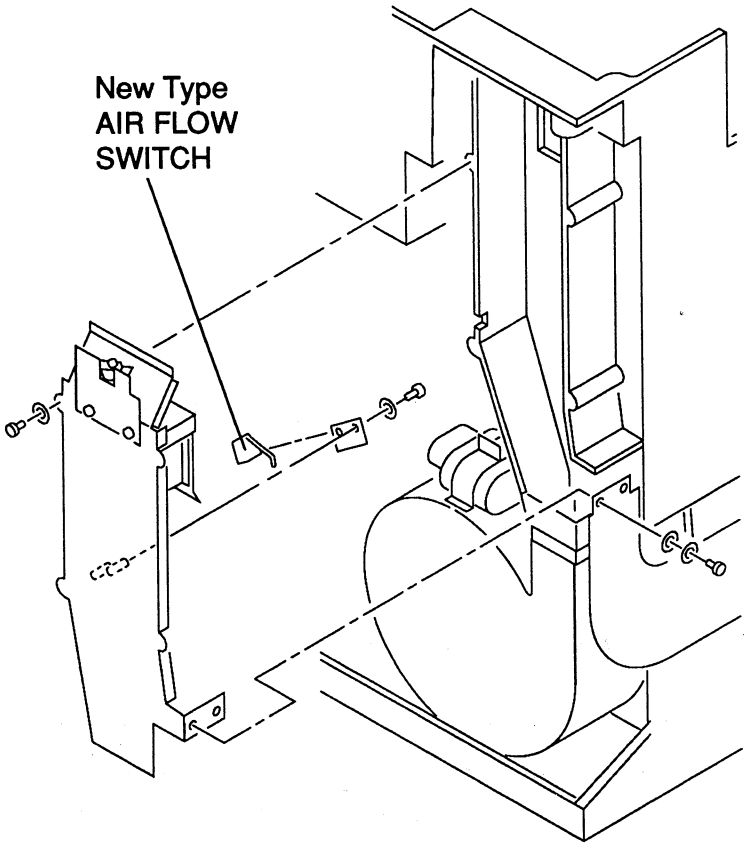
P104_0146CA

Figure 25 Old Type Dryer Air Flow Switch



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H104_0355CA

Figure 26 New Type Air Flow Switch

Connecting Wires to an Old Type Dryer Air Flow Switch

In this section of the modification, you will be wiring the OVER-TEMPERATURE THERMOSTAT in series with the DRYER AIR VANE SWITCH. This will protect the processor if the DRYER HEATER circuit malfunctions. The DRYER OVER-TEMPERATURE THERMOSTAT will turn off the DRYER HEATER if the DRYER temperature exceeds a safe level.

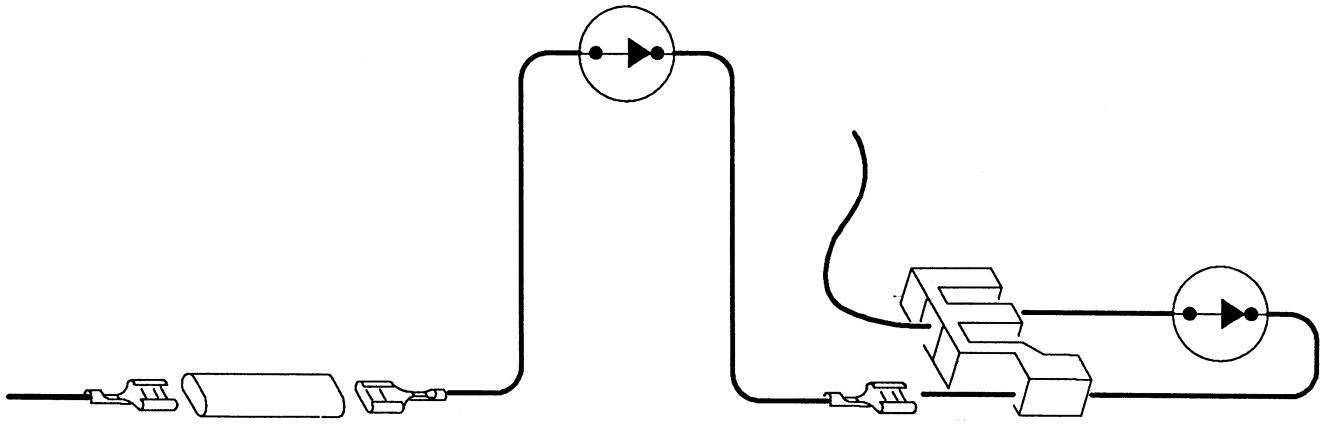

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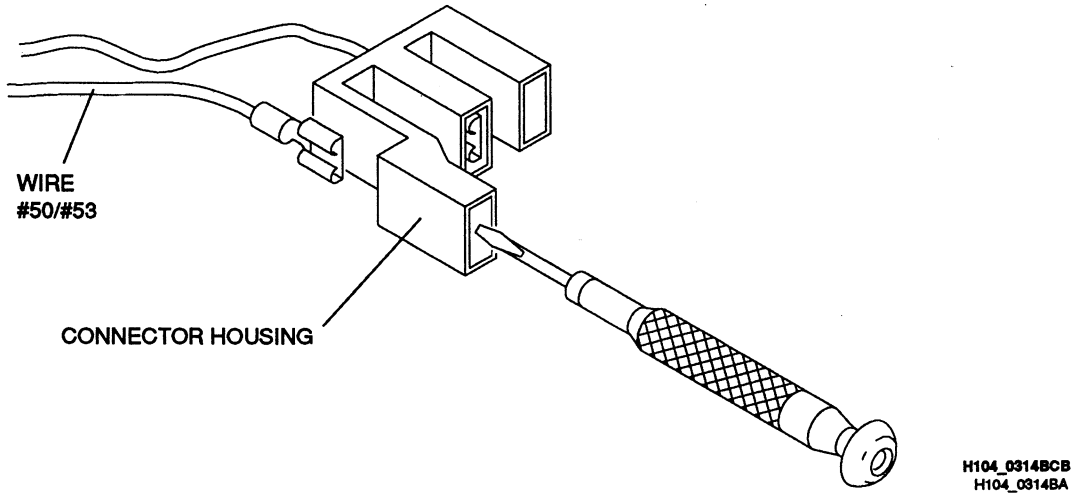
Figure 27 Wiring the Over-Temperature Thermostat to the Air Flow Switch

[1] Remove the CONNECTOR HOUSING from the DRYER AIR FLOW SWITCH.

[2] If you have a Multiloader 300, remove WIRE #50 from the CONNECTOR HOUSING.
If you have a 270 RA Processor, remove WIRE #53 from the CONNECTOR HOUSING.

NOTE

Using a small SCREW DRIVER, press the CLIP inside the CONNECTOR HOUSING to release the WIRE.



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H104_0314BA

Figure 28 Removing Wire #50/#53 from the Connector Housing

[3] Insert either of the 2 WIRES from the OVER-TEMPERATURE THERMOSTAT into the CONNECTOR HOUSING. Press the WIRE CONNECTOR **completely** into the CONNECTOR HOUSING.

[4] Connect the CONNECTOR HOUSING to the DRYER AIR FLOW SWITCH.

[5] Using PLIERS, connect the remaining wire from the OVER-TEMPERATURE THERMOSTAT to the new SPLICE CONNECTOR, provided with the kit. Verify that the wire is **completely** connected to the SPLICE CONNECTOR.

[6] Using PLIERS, connect the wire removed in Step 2 on page 28 (WIRE #50 or #53) to the other end of the SPLICE CONNECTOR. Verify that the wire is **completely** connected to the SPLICE CONNECTOR.

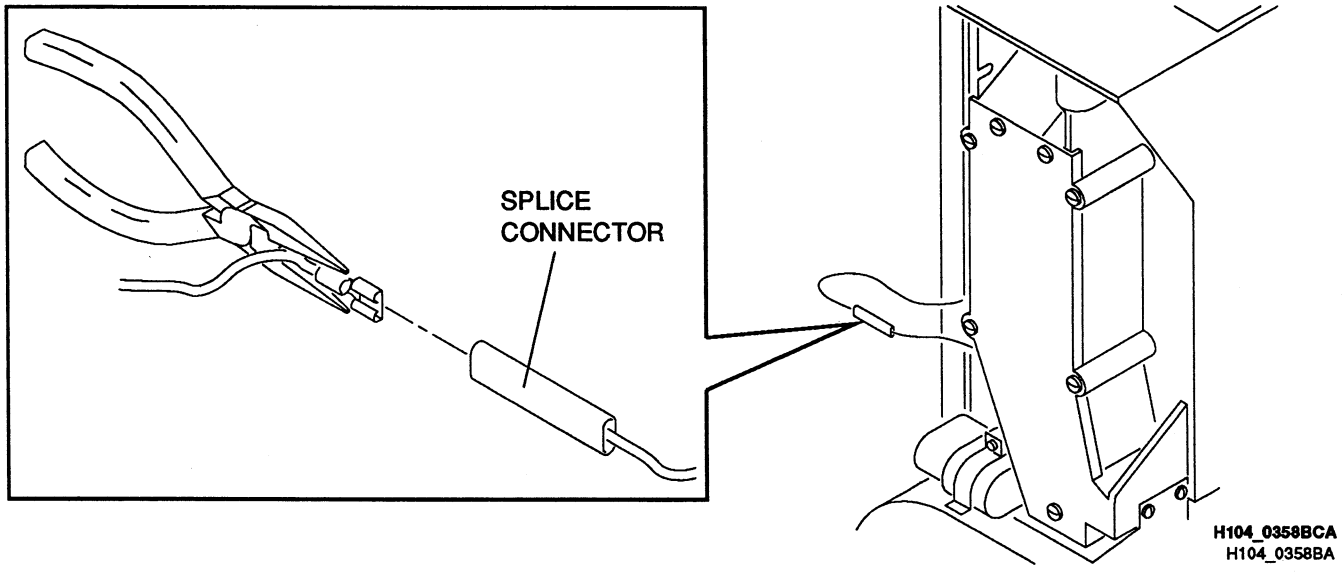


Figure 29 Connecting the Wires to the Over-Temperature Thermostat

IMPORTANT

Verify that the SPLICE CONNECTOR is outside of the DRYER PLENUM COVER.

[7] Install the DRYER PLENUM COVER.

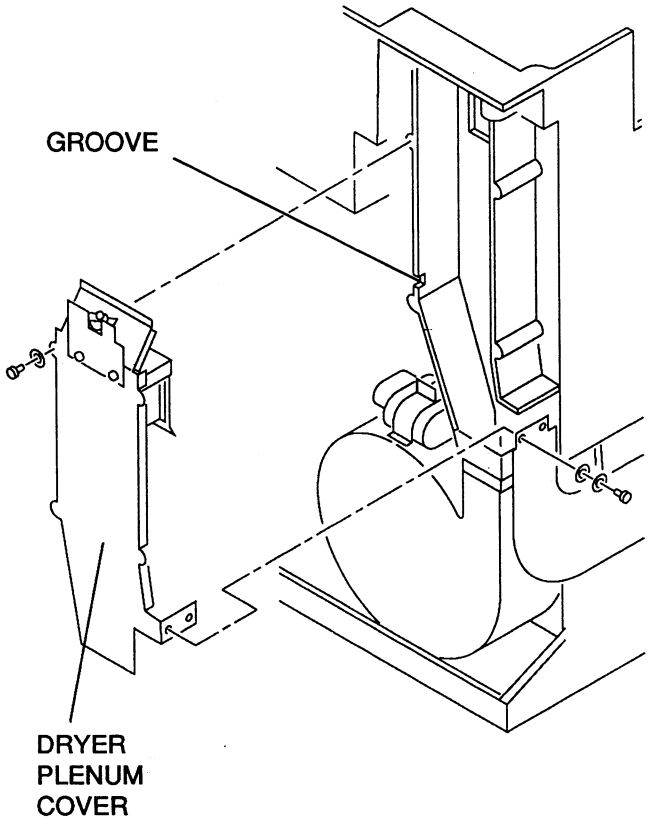
[8] Position the wires and secure the wires with WIRE TIES, if necessary.

NOTE

Verify that all the wires are properly positioned in the GROOVE on the DRYER PLENUM COVER so that they will not be pinched. See the figure.

[9] Install the SAFETY PANEL or the SIDE PANEL depending on which equipment you have.

[10] Go to Step 1 on page 34.



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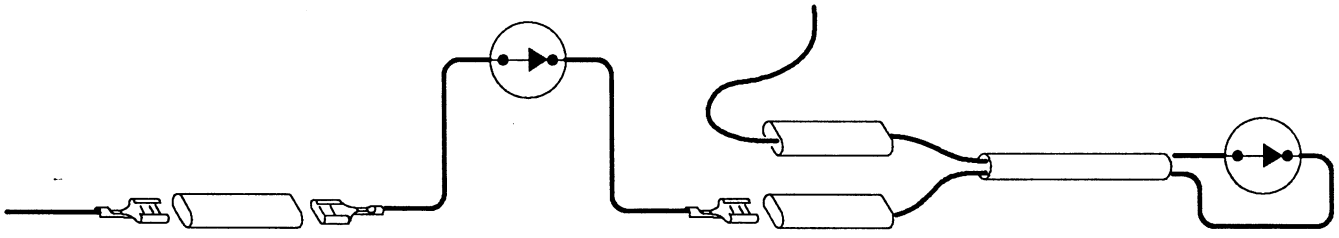
H104_0356CA

Figure 30 Routing Wires Through the Groove in the Dryer Plenum

Connecting Wires to a New Type Dryer Air Flow Switch

In this section of the modification, you will be wiring the OVER-TEMPERATURE THERMOSTAT in series with the DRYER AIR VANE SWITCH. This will protect the processor if the DRYER HEATER circuit malfunctions. The DRYER OVER-TEMPERATURE THERMOSTAT will turn off the DRYER HEATER if the DRYER temperature exceeds a safe level.



H104_0369BC

Figure 31 Wiring the Over-Temperature Thermostat to the Air Flow Switch

[1] Locate the AIR FLOW SWITCH CONNECTORS in the DRYER PLENUM.

[2] If you have a Multiloader 300, disconnect WIRE #50 from the AIR FLOW SWITCH CONNECTOR.
If you have a 270 RA Processor, disconnect WIRE #53 from the AIR FLOW SWITCH CONNECTOR.

[3] Using PLIERS, connect WIRE #50 or #53 to the new SPLICE CONNECTOR, provided with the kit. Verify that the wire is completely connected to the SPLICE CONNECTOR.

[4] Install either one of the wires from the THERMOSTAT to the other end of the new SPLICE CONNECTOR, provided with the kit.

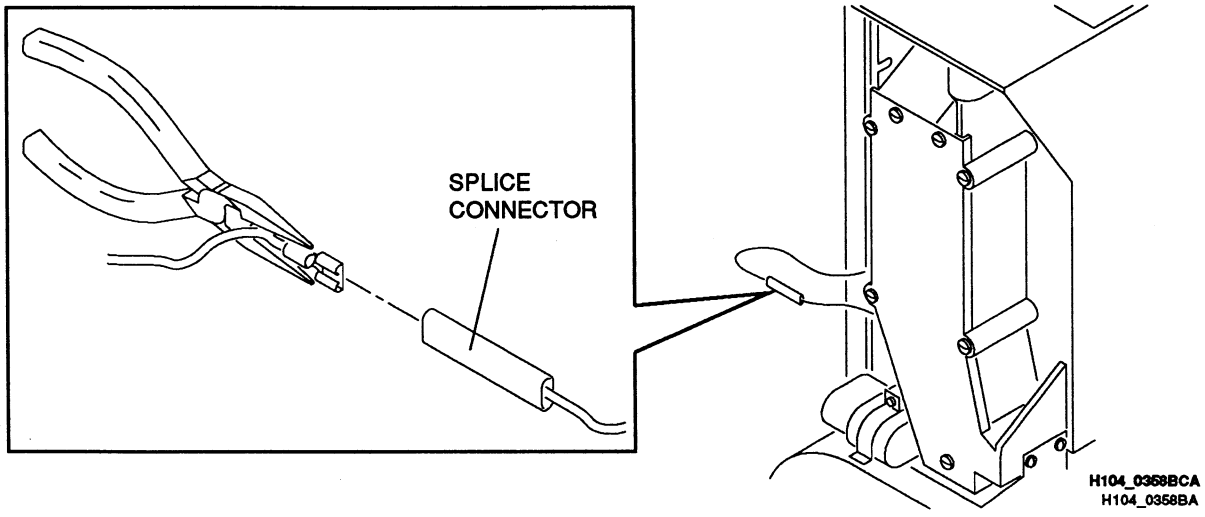


Figure 32 Installing the Splice Connector to the Thermostat Wire

[5] Locate the second wire from the THERMOSTAT.

[6] Connect that second THERMOSTAT wire to the AIR FLOW SWITCH CONNECTOR disconnected in Step 2 on page 31.

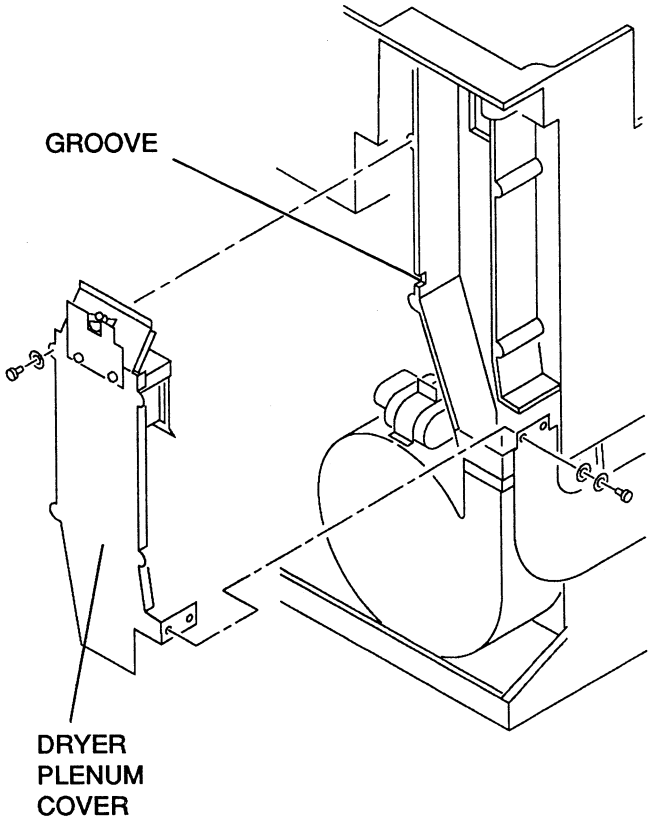
[7] Install the DRYER PLENUM COVER.

[8] Position the wires and secure the wires with WIRE TIES, if necessary.

NOTE

Verify that all the wires are properly positioned in the GROOVE on the DRYER PLENUM COVER so that they will not be pinched. See the figure.

[9] Install the SAFETY PANEL or the SIDE PANEL depending on which equipment you have.



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H104_0356CA

Figure 33 Installing the Dryer Plenum Cover

SECTION 2
Installing the New Developer and Fixer Level Sensing Probe Screws and Washers

In this procedure you will seal the screw holes in the Fixer and Developer Tank side walls to prevent chemistry from leaking through the tank walls onto the LEVEL SENSING PROBE SCREWS. This procedure should eliminate the problem of deposits forming on the LEVEL SENSING PROBE SCREWS, and therefore should eliminate the poor electrical contact and the malfunctioning of the LEVEL SENSING PROBES.

[1] Remove and discard the LEVEL SENSING PROBE SCREW on the side wall of the DEVELOPER TANK.

NOTE

Some of the later model processors have 2 LEVEL SENSING PROBE SCREWS through the side wall of the DEVELOPER TANK. If your processor has 2 SCREWS through the side wall of the DEVELOPER TANK, remove the SCREW that secures the CONNECTOR/WIRE to the LEVEL SENSING PROBE.

[2] Position the new WASHER, provided with the kit, so that the GASKET side of the WASHER is against the hole in the side wall of the DEVELOPER TANK. See Figure 34 on page 35.

[3] Using the new SCREW, provided with the kit, secure the LEVEL SENSING PROBE and the CONNECTOR/WIRE to the side wall of the DEVELOPER TANK.

[4] Repeat the procedure for the LEVEL SENSING PROBE SCREW in the side wall of the FIXER TANK.

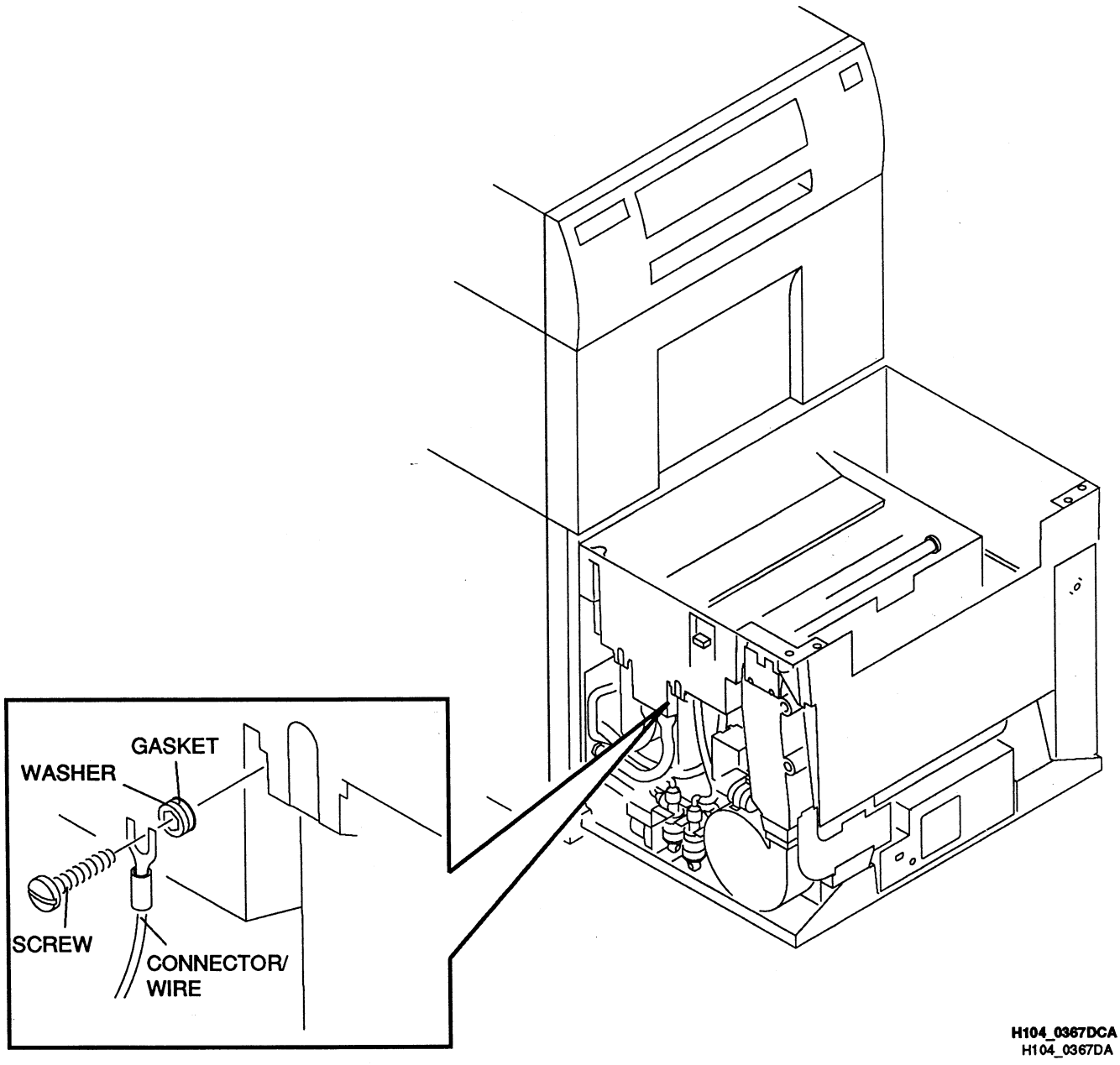

Figure 34 Installing the New Washer and Level Sensing Probe Screw

SECTION 3
Finishing the Job

[1] Install:

- DRYER RACK
- TOP EXIT ASSEMBLY (270 RA Only)
- WET SECTION COVER.

[2] Circle the appropriate number on the Modification Sticker.

- For a Multiloader 300, circle number 11.
- For a 270 RA Processor, circle number 8.

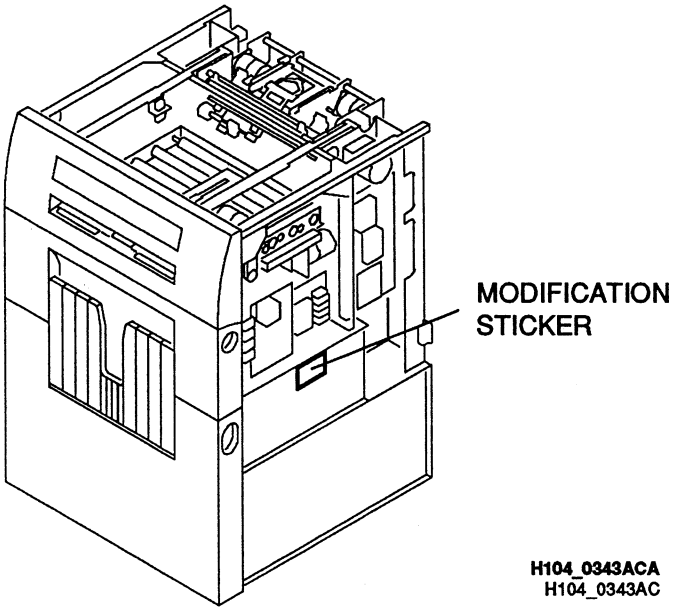

Figure 35 Locating the Modification Sticker on a Multiloader 300

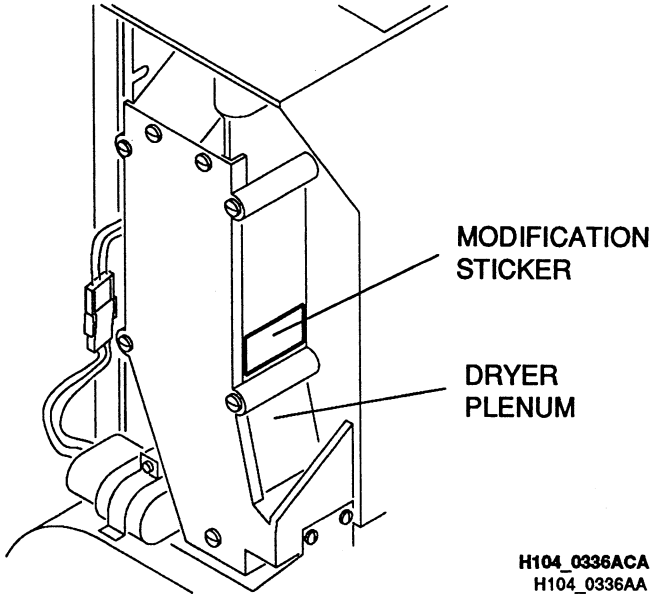

Figure 36 Locating the Modification Sticker on a 270 RA Processor

[3] If you have a multiloader, slide the processor back into the multiloader.

[4] Install the EXIT PANEL.

[5] Close the TOP COVER.

[6] Energize the unit by moving the MAIN CIRCUIT BREAKER to the "I" position.

[7] Move the main wall circuit breaker to the "ON" position.

[8] Verify proper operation of the processor.

[9] Locate the appropriate set of new Wiring Diagrams, provided with the kit. Discard the set of new Wiring Diagrams that do not apply to your equipment.

NOTE

The Modification Kit includes 2 sets of new Wiring Diagrams that illustrate the new circuits:

- a set for the *Kodak X-Omat* Multiloader 300
- a set for the *Kodak X-Omat* 270 RA Processor

[10] Insert the new pages into their proper places in your Wiring Diagram Package.

- Publication Number WD 3058-1 for the *Kodak X-Omat* Multiloader 300
- Publication Number 636720 for the *Kodak X-Omat* 270 RA Processor.

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